

CONNECTIONS

LATEST NEWS AND UPDATES FROM
SEMICONDUCTOR RESEARCH CORPORATION

OUR COMMITMENT TO SUSTAINABILITY

In honor of Sustainability Day 2021, SRC President and CEO Todd Younkin released a statement that confirms our commitment to driving research that enables environmentally friendly and sustainable manufacturing solutions for future semiconductor devices.

“Throughout the decade, SRC will drive an R&D agenda that delivers greener materials and processes for semiconductor manufacturing, creates semiconductor chips and packages with radically improved energy efficiency, and drives a revolution in the efficiency of future ICT systems at scale.”

Read the full letter at src.org/sustainability.

READ ON FOR MORE
NEWS AND UPDATES!

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Raychowdhury Appointed ECE Chair at Georgia Tech

Arijit Raychowdhury has been selected as the new Steve W. Chaddick School Chair of ECE at Georgia Tech. Raychowdhury was the winner of SRC's 2021 Technical Excellence Award. Since 2013, he has led or been instrumental in 70 different research projects at SRC, across GRC and JUMP, and currently leads the Center for Brain-inspired Computing Enabling Autonomous Intelligence's Neuromorphic Fabrics (CBRIC-T2) program. Many congratulations, Arijit!



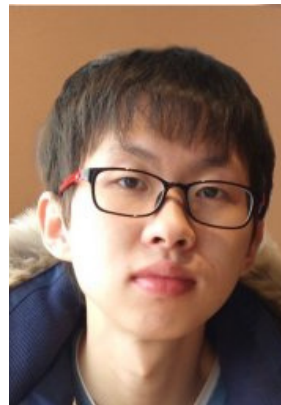
C-BRIC Students See Win with InsectEye

SRC Research Scholars Eric Homan, Zeinab Hakimi, Nelson Troncoso Aldas and fellow student collaborators were awarded \$15K in the Nittany AI Challenge for InsectEye, an AI-based, nonlethal insect trap and identification system to assist entomologists in understanding insect biodiversity. Congratulations!



Duke Students Win Micro-54 Best Paper Award

Duke University's Zhiyao Xie, Huanrui Yang and Prof. Yiran Chen received the Best Paper Award from MICRO-54 at the IEEE/ACM International Symposium on Microarchitecture for their paper: "APOLLO: An Automated Power Modeling Framework for Runtime Power Introspection in High-Volume Commercial Microprocessors." Congratulations!





EOS/ESD Best Paper Award

Sandeep Vora, Michael Stockinger, and Elyse Rosenbaum earned Outstanding Presentation (Best Paper) at the prestigious EOS/ESD Symposium for their paper: [“Increased Latch-Up Susceptibility of ICs Using Reverse Body Bias.”](#) Congratulations!



Shimeng Yu Distinguished Lecturer for IEEE Electron Devices Society

[SRC's 2019 Young Faculty Award Winner](#), Shimeng Yu of Georgia Tech, has been appointed as a [Distinguished Lecturer](#) for the IEEE Electron Devices Society (EDS). As a principal investigator within [ASCENT](#), his research focuses on “memory device technologies for neuro-inspired computing,” a primary focus of his talks.



Asadi to Serve as Program Chair for 2021 IEEE Paine Conference

[Hardware Security](#) researcher Dr. Navid Asadi, Assistant Professor at University of Florida, will be [program chair](#) for the prestigious IEEE Physical Assurance & Inspection of Electronics ([PAINE](#)) Conference. Hosted from Washington, D.C., the virtual event runs November 30 to December 2. Congratulations, Navid!



Kulkarni Distinguished Lecturer for SSCS and EDS

The University of Texas at Austin's Jaydeep P. Kulkarni has been selected as a Distinguished Lecturer for both IEEE Solid State Circuits Society (SSCS) and IEEE Electron Device Society (EDS). His [LMD Research](#) on novel devices and memory architectures will be among the topics of his upcoming talks. [Read the announcement.](#)

Upcoming Events

'From Failure to Success' Series

SRC's new speaker series shines a light on failure with leading experts. It's a side of research that isn't often discussed, despite the many benefits it provides in charting a course for success. On November 17, Kenneth O from the University of Texas at Dallas will share his experience in encountering unplanned situations and their often fortuitous impact.

[Register](#) for "Impact of Not Planned For" with Kenneth O and watch replays of previous sessions.



*Top 5 SRC Publications
Viewed Across All Programs*

Don't miss the papers that received the most views on the SRC website over the last six weeks. Members of the associated programs have early access to the pre-publications.

- Optimized De-alloying Routines for Synthesis of Two-phase Interpenetrated Solid-Void Nanoporous (npCu) Cu npCu Layers From Cu-Zn, Cu-Mn, and Cu-Zn-Ni Alloys—SRC Pub ID [P103114](#)
- Scrooge: A Cost-Effective Deep Learning Inference System—SRC Pub ID [P105070](#)
- Distributed Transmit Beamforming: Design and Demonstration from the Lab to UAVs—SRC Pub ID [P105095](#)
- Towards Real-time Rich Semantic Labelling Using Multimodal Sensor Information Fusion—SRC Pub ID [P105190](#)
- FLASH: Video-Embeddable AR Anchors for Live Events—SRC Pub ID [P105403](#)